

GenCore version 5.1.3
Copyright (c) 1993 - 2002 CompuGen Ltd.

OM protein - protein search, using sw model

Run on: November 4, 2002, 02:00:40 ; Search time 11.0026 Seconds
(without alignments)
510.521 Million cell updates/sec

Title: US-09-805-550-2

Perfect score: 2036

Sequence: 1 MRLNVTIKGTNFEEIASPD.....EELTANYLLDHGEEDDQOQ 405

Scoring table:

BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 90412 seqs, 13869272 residues

Total number of hits satisfying chosen parameters: 90412

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database: Published_Applications_AA:*

1: /cgn2_6/ptodata/2/pubppa/US08_NEW_PUB.pep:*
2: /cgn2_6/ptodata/2/pubppa/PCT_NEW_PUB.pep:*
3: /cgn2_6/ptodata/2/pubppa/US06_NEW_PUB.pep:*
4: /cgn2_6/ptodata/2/pubppa/US06_PUBCOMB.pep:*
5: /cgn2_6/ptodata/2/pubppa/US07_NEW_PUB.pep:*
6: /cgn2_6/ptodata/2/pubppa/US07_PUBCOMB.pep:*
7: /cgn2_6/ptodata/2/pubppa/PCTUS_PUBCOMB.pep:*
8: /cgn2_6/ptodata/2/pubppa/US08_PUBCOMB.pep:*
9: /cgn2_6/ptodata/2/pubppa/US09_NEW_PUB.pep:*
10: /cgn2_6/ptodata/2/pubppa/US09_PUBCOMB.pep:*
11: /cgn2_6/ptodata/2/pubppa/US10_NEW_PUB.pep:*
12: /cgn2_6/ptodata/2/pubppa/US10_PUBCOMB.pep:*
13: /cgn2_6/ptodata/2/pubppa/US60_NEW_PUB.pep:*
14: /cgn2_6/ptodata/2/pubppa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	ID	Description
1	2036	100.0	405	US-09-805-550-2	Sequence 2, Appl1
2	900.5	44.2	368	US-09-805-550-4	Sequence 4, Appl1
3	146	7.2	681	US-09-815-242-11830	Sequence 11830, A
4	140	6.9	2441	US-10-109-886-8	Sequence 8, Appl1
5	136	6.7	655	US-10-001-632A-2	Sequence 2, Appl1
6	133.5	6.6	2442	US-10-109-886-10	Sequence 10, Appl1
7	129	6.3	63	US-09-925-299-1544	Sequence 1544, Ap
8	128.5	6.3	550	US-10-023-523-47	Sequence 47, Appl1
9	128.5	6.3	550	US-10-023-523-47	Sequence 47, Appl1
10	126.5	6.2	826	US-09-894-998-47	Sequence 47, Appl1
11	126.5	6.2	2472	US-09-815-242-5064	Sequence 5064, Ap
12	125	6.1	538	US-10-023-523-43	Sequence 43, Appl1
13	125	6.1	538	US-10-023-523-43	Sequence 43, Appl1
14	123.5	6.1	600	US-09-287-849-22	Sequence 22, Appl1
15	122.5	6.0	1367	US-09-801-368-108	Sequence 108, App
16	122	6.0	118	US-10-078-929-30	Sequence 30, Appl1
17	120.5	5.9	796	US-10-044-205A-31	Sequence 31, Appl1
18	119.5	5.9	802	US-09-287-849-10	Sequence 10, Appl1
19	118	5.8	132	US-10-078-929-22	Sequence 22, Appl1

20	118	5.8	132	12	US-10-078-929-198	Sequence 198, App
21	118	5.8	595	10	US-09-826-212-9	Sequence 9, Appl1
22	118	5.8	595	10	US-09-935-727-11	Sequence 11, Appl1
23	118	5.8	2783	10	US-09-816-669A-14	Sequence 14, Appl1
24	117	5.7	2368	10	US-09-815-242-5635	Sequence 5635, Ap
25	117	5.7	2368	10	US-09-815-242-12389	Sequence 12389, A
26	116	5.7	383	10	US-09-788-345-10	Sequence 10, Appl1
27	116	5.7	412	10	US-09-788-345-12	Sequence 12, Appl1
28	116	5.7	595	10	US-09-921-667-6	Sequence 6, Appl1
29	115.5	5.7	723	12	US-10-044-205A-32	Sequence 32, Appl1
30	115.5	5.7	764	10	US-09-815-242-5143	Sequence 5143, Ap
31	115.5	5.7	2478	10	US-09-815-242-5816	Sequence 5816, Ap
32	115.5	5.7	2478	10	US-09-815-242-12967	Sequence 12967, A
33	114	5.6	596	10	US-09-287-849-26	Sequence 26, Appl1
34	113.5	5.6	1070	10	US-09-735-367B-6	Sequence 6, Appl1
35	113.5	5.6	2005	10	US-09-735-367B-3	Sequence 3, Appl1
36	113.5	5.6	2063	10	US-09-735-367B-2	Sequence 2, Appl1
37	113	5.6	729	10	US-09-287-849-2	Sequence 2, Appl1
38	111.5	5.5	3739	10	US-09-861-289-33	Sequence 33, Appl1
39	111.5	5.5	11877	10	US-09-861-289-6	Sequence 6, Appl1
40	111	5.5	1329	10	US-09-815-242-10112	Sequence 10112, A
41	110.5	5.4	578	10	US-09-159-469-50	Sequence 50, Appl1
42	110.5	5.4	578	10	US-09-798-042-50	Sequence 50, Appl1
43	109	5.4	537	10	US-09-888-615-104	Sequence 104, App
44	109	5.4	654	10	US-09-841-132-341	Sequence 341, App
45	109	5.4	1084	12	US-10-071-900-3	Sequence 3, Appl1

ALIGNMENTS

```
RESULT 1
US-09-805-550-2
; Sequence 2, Application US/09805550
; Patent No. US20020026045A1
; GENERAL INFORMATION:
; APPLICANT: Manajan, Pramod B.
; TITLE OF INVENTION: Rad23 Genes and Uses Thereof
; FILE REFERENCE: 0964D
; CURRENT APPLICATION NUMBER: US/09/805,550
; CURRENT FILING DATE: 2001-03-13
; PRIOR APPLICATION NUMBER: 09/413,574
; PRIOR FILING DATE: 1999-10-06
; PRIOR APPLICATION NUMBER: 60/109,728
; PRIOR FILING DATE: 1998-11-23
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 2
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Zea mays
US-09-805-550-2
```

Query Match 100.0%; Score 2036; DB 10; Length 405;
Best Local Similarity 100.0%; Pred. No. 2; le-144;
Matches 405; Conservative 0; Mismatches 0; Indels 0; Caps 0;

```
QY 1 MRLNVTIKGTNFEEIASPDASVADVKRIETTGQSGSTRADQOMLIYQGIKIDETTFLE 60
DB 1 MRLNVTIKGTNFEEIASPDASVADVKRIETTGQSGSTRADQOMLIYQGIKIDETTFLE 60
QY 61 SNGVAENSFLVIMLSKAKASSGASTATTAKAPATLAPAPVAPVAPASVATPTQAPVAT 120
DB 61 SNGVAENSFLVIMLSKAKASSGASTATTAKAPATLAPAPVAPVAPASVATPTQAPVAT 120
QY 121 AETAPPSVQPPAPATVATDADVYSQAASNLVFGNNLEQTTQQITIDMGGTERDVT 180
DB 121 AETAPPSVQPPAPATVATDADVYSQAASNLVFGNNLEQTTQQITIDMGGTERDVT 180
QY 181 VRAIRAAANNERRAIDYISGIPENVEAOPVARRAPACQONQOASRAQAVALPVQPS 240
DB 181 VRAIRAAANNERRAIDYISGIPENVEAOPVARRAPACQONQOASRAQAVALPVQPS 240
```

QY 241 PASAGPNNPNTLFPQGVSSGSGNPGVPGAGSALDALROLPOFQALLQVQANPQIIQ 300
DB 241 PASAGPNNPNTLFPQGVSSGSGNPGVPGAGSALDALROLPOFQALLQVQANPQIIQ 300
QY 301 PMLQELGKONPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEERE 360
DB 301 PMLQELGKONPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEERE 360
QY 361 AIQRLGKMGFNRRLVLEVFACNKNDELTANYLLDHGEFDDQQ 405
DB 361 AIQRLGKMGFNRRLVLEVFACNKNDELTANYLLDHGEFDDQQ 405

RESULT 2
US-09-805-550-4
Sequence 4, Application US/09805550
Patent No. US20020026045A1
GENERAL INFORMATION:
APPLICANT: Mahajan, Pramod B.
TITLE OF INVENTION: Rad23 Genes and Uses Thereof
FILE REFERENCE: 0964D
CURRENT APPLICATION NUMBER: US/09/805,550
PRIOR FILING DATE: 2001-03-13
PRIOR APPLICATION NUMBER: 09/413,574
PRIOR FILING DATE: 1999-10-06
PRIOR APPLICATION NUMBER: 60/109,728
PRIOR FILING DATE: 1998-11-23
NUMBER OF SEQ ID NOS: 5
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 4
LENGTH: 368
TYPE: PRT
ORGANISM: Zea mays
US-09-805-550-4

Query Match 44.2%; Score 900.5; DB 10; Length 368;
Best Local Similarity 49.0%; Pred. No. 6.4e-60;
Matches 197; Conservative 53; Mismatches 117; Indels 35; Gaps 7;
QY 1 MKNLTKTGTNFEIEASPDASVADVKRIETGOSGTYRADQOMLIYQKILDKETITLE 60
DB 1 MKNLTKTGTNFEIEASPDASVADVKRIETGOSGTYRADQOMLIYQKILDKETITLE 60
QY 61 SNGVAENSLYMLSKARAS--SSGASTATTAKAPATLAQAPAPVAPASVARTPTQAPVA 119
DB 61 SNGVAENSLYMLSKARAS--SSGASTATTAKAPATLAQAPAPVAPASVARTPTQAPVA 119
QY 61 ENKVEDGFLVYMLSKGTSGTSSQHSNTPATROAP-----PLEAPQAP--QPPVA 114
DB 61 ENKVEDGFLVYMLSKGTSGTSSQHSNTPATROAP-----PLEAPQAP--QPPVA 114
QY 120 TAEIAPPSVQAPAAATVATDDADVYSQAASNLVFGNNLEQITQOILIDMGGWTWER 179
DB 120 TAEIAPPSVQAPAAATVATDDADVYSQAASNLVFGNNLEQITQOILIDMGGWTWER 179
QY 115 PTTTSQPEGLPQAP-----NTHDNANSLNLSGANNVTIINQLEMGGSGMDKDK 164
DB 115 PTTTSQPEGLPQAP-----NTHDNANSLNLSGANNVTIINQLEMGGSGMDKDK 164
QY 180 VVRALRAVNNPERAIDLYSGIPENVEAQPAPARAAGQOTNOQOASPAQAVALLPVOP 239
DB 180 VVRALRAVNNPERAIDLYSGIPENVEAQPAPARAAGQOTNOQOASPAQAVALLPVOP 239
QY 165 VQARARAVNNPERAIDLYSGIPENVEAQPAPARAAGQOTNOQOASPAQAVALLPVOP 213
DB 165 VQARARAVNNPERAIDLYSGIPENVEAQPAPARAAGQOTNOQOASPAQAVALLPVOP 213
QY 240 SPASAGPNNPNTLFPQGVSSGSGNPGVPGAGSALDALROLPOFQALLQVQANPQIIQ 299
DB 240 SPASAGPNNPNTLFPQGVSSGSGNPGVPGAGSALDALROLPOFQALLQVQANPQIIQ 299
QY 214 GLSGIPTAPLDFPQASNAG-----GAGGGPLDFLRNNPQFQAVREKVTNPOQL 266
DB 214 GLSGIPTAPLDFPQASNAG-----GAGGGPLDFLRNNPQFQAVREKVTNPOQL 266
QY 300 QPMQELGKONPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEER 359
DB 300 QPMQELGKONPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEER 359
QY 267 QPMQELGKONPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEER 326
DB 267 QPMQELGKONPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEER 326
QY 360 EAIQRLGKMGFNRRLVLEVFACNKNDELTANYLLDHGEFDDQQ 401
DB 360 EAIQRLGKMGFNRRLVLEVFACNKNDELTANYLLDHGEFDDQQ 401
QY 327 EAIQRLGKMGFNRRLVLEVFACNKNDELTANYLLDHGEFDDQQ 368
DB 327 EAIQRLGKMGFNRRLVLEVFACNKNDELTANYLLDHGEFDDQQ 368

RESULT 3
US-09-815-11830
Sequence 8, Application US/09815242

Patent No. US20020061569A1
GENERAL INFORMATION:
APPLICANT: Haselbeck, Robert
APPLICANT: Ohlsen, Karl L.
APPLICANT: Zyskind, Judith W.
APPLICANT: Wall, Daniel
APPLICANT: Trawick, John D.
APPLICANT: Carr, Grant J.
APPLICANT: Yamamoto, Robert T.
TITLE OF INVENTION: Identification of Essential Genes in
FILE REFERENCE: ELITRA 011A
CURRENT APPLICATION NUMBER: US/09/815,242
PRIOR FILING DATE: 2001-03-21
PRIOR APPLICATION NUMBER: 60/191,078
PRIOR FILING DATE: 2000-03-21
PRIOR APPLICATION NUMBER: 60/206,848
PRIOR FILING DATE: 2000-05-23
PRIOR APPLICATION NUMBER: 60/207,727
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: 60/242,578
PRIOR FILING DATE: 2000-10-23
PRIOR APPLICATION NUMBER: 60/253,625
PRIOR FILING DATE: 2000-11-27
PRIOR APPLICATION NUMBER: 60/257,931
PRIOR FILING DATE: 2000-12-22
PRIOR APPLICATION NUMBER: 60/269,308
PRIOR FILING DATE: 2001-02-16
NUMBER OF SEQ ID NOS: 14110
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 11830
LENGTH: 681
TYPE: PRT
ORGANISM: Pseudomonas aeruginosa
US-09-815-11830

Query Match 7.2%; Score 146; DB 10; Length 681;
Best Local Similarity 23.7%; Pred. No. 0.0022;
Matches 98; Conservative 56; Mismatches 164; Indels 96; Gaps 18;
QY 16 EASPPA---SVADVRITITGOSGTYRADQOMLIYQKILDKETITLEENGSVAENSLYI 72
DB 16 EASPPA---SVADVRITITGOSGTYRADQOMLIYQKILDKETITLEENGSVAENSLYI 72
QY 296 QALPEIDNGGDREVLALQALPA--EDVOFYOMGLIGRRDPLAPD--PRSGFEKV 351
DB 296 QALPEIDNGGDREVLALQALPA--EDVOFYOMGLIGRRDPLAPD--PRSGFEKV 351
QY 73 ML-----SKAKASSGASTATTAKAPATLAQAPAPVAPASVARTPTQAPVA 119
DB 73 ML-----SKAKASSGASTATTAKAPATLAQAPAPVAPASVARTPTQAPVA 119
QY 352 LRLMLAFRAPADAGVPRPLKDLGISKATTPDANSVAGAAAP--APVATVAPAPVAAV 410
DB 352 LRLMLAFRAPADAGVPRPLKDLGISKATTPDANSVAGAAAP--APVATVAPAPVAAV 410
QY 120 TAEIAPPSVQAPAAATVATDDADVYSQAASNLVFGNNLEQITQOILIDMGGWTWER 177
DB 120 TAEIAPPSVQAPAAATVATDDADVYSQAASNLVFGNNLEQITQOILIDMGGWTWER 177
QY 411 EAPAPPPAP--PAPAPPAVARTVAVVEEPAAA-----AEVVDL--FWEEPA 454
DB 411 EAPAPPPAP--PAPAPPAVARTVAVVEEPAAA-----AEVVDL--FWEEPA 454
QY 178 -----DTVRALAAVNNPERAIDLYSGIPENVEAQPAPARAAGQOTNOQO 226
DB 178 -----DTVRALAAVNNPERAIDLYSGIPENVEAQPAPARAAGQOTNOQO 226
QY 455 PSLAAPEPEPEPEPLAVAPSVPAVAVEAVETV---LELPAALPYAPDEQDQODE 511
DB 455 PSLAAPEPEPEPEPLAVAPSVPAVAVEAVETV---LELPAALPYAPDEQDQODE 511
QY 227 SP-----AOPAVALLPVOPSPA---SAGPNNPNTLFPQ-----GVPS 260
DB 227 SP-----AOPAVALLPVOPSPA---SAGPNNPNTLFPQ-----GVPS 260
QY 512 PPPADYVEVMDTLAYLDATPEPDVYVEEPLPAKAPATGLAEMLEFRLGIGGLTA 571
DB 512 PPPADYVEVMDTLAYLDATPEPDVYVEEPLPAKAPATGLAEMLEFRLGIGGLTA 571
QY 261 G-GSNPGV-----PGAGSALDALROLPOFQALLQVQANPQIIQPMQELG 307
DB 261 G-GSNPGV-----PGAGSALDALROLPOFQALLQVQANPQIIQPMQELG 307
QY 572 SIGANCTVLAADDHWHLLHDPGQ--SALEFNATQORRLNDALNHGRLTK--DEVTLQKPE 629
DB 572 SIGANCTVLAADDHWHLLHDPGQ--SALEFNATQORRLNDALNHGRLTK--DEVTLQKPE 629
QY 308 KKNPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEERE 361
DB 308 KKNPQIILRLIQENQAEFLRLVNESPEGPGNIIQOLAAVPOTLVTPPEERE 361
QY 630 QETP---AQAARRRAERORRAAEASIDADPLVRLREQFAAVVDDGTIELEKA 681
DB 630 QETP---AQAARRRAERORRAAEASIDADPLVRLREQFAAVVDDGTIELEKA 681

RESULT 4
US-10-109-886-8
Sequence 8, Application US/10109886

Patent No. US20020119499A1
GENERAL INFORMATION:
APPLICANT: TANABE SEIYAKU CO. LTD.
APPLICANT: TANIGUCHI, Tomoyasu
APPLICANT: MIZUKAMI, Junko
TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND
FILE REFERENCE: TANIGUCHI-6
CURRENT APPLICATION NUMBER: US/10/109,886
CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: 09/514,247
PRIOR FILING DATE: 2000-02-28
PRIOR APPLICATION NUMBER: PCT/JP98/03734
PRIOR FILING DATE: 1998-08-24
PRIOR APPLICATION NUMBER: JP231084/1997
PRIOR FILING DATE: 1997-08-27
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.0
SEQ ID NO 8
LENGTH: 2441
TYPE: PRT
ORGANISM: mouse
US-10-109-886-8

Query Match 6.9%; Score 140; DB 12; Length 2441;
Best Local Similarity 21.7%; Pred. No. 0.036;
Matches 92; Conservative 41; Mismatches 159; Indels 132; Gaps 18;

QY 44 QMLIYQKILKDE-TTLESNGVAENSLVIMLSKAKSSGASATATKAPATIAQAP 102
DB 1857 QHCLQQAQLKRRMATMTNINVPQSL-----PSPTSAPPTTQOPSTPTQTPP 1907
QY 103 VAPAS-----VART--PT-----QAPVATETAPSVQQAAPATVATDAD 145
DB 1908 AQQPSPVNNSPAGFPVATPTPTIVSACKPTNQVAPAPPPAPR---PRAAVAAQIE 1964
QY 146 VYSQAASNLVFGNNLEQTIOQIILDMGGTWERDVTVRALRAAYNNPERAIDYLSIPE- 204
DB 1965 REAQOOQHILYRAN-----INNGMPG-----RDGMGTPEGQMTPVGLNVP 2006
QY 205 NVAAOPARARPAAGQQTN-----QQAASPAQPAVALPVQSPASGPNANPLNFPQGVPS 260
DB 2007 NOVSGPVMSMPGQWQADIPQOQPMGMRPVMSMAQAATAVAGPR-----MPN 2056
QY 261 GGSNPGVVPAGSGALDALRQL-----POFQALLQLVQANPOLI----- 299
DB 2057 VQPNRSTSP---SALQDLKTLKSSPSPOQOQVNLILKSNPOLMAAFITQRTAKKYANQ 2113
QY 300 -----QPMQLQELKQNPQ-----ILRLIQENQAEFLRLVNESPEGPGG-NILQGLAA 346
DB 2114 PGMPQPGIQSOPGMPQPMHQPSLQNLNAMQAGVPRPGVPPQPMAGSLNPGQALN 2173
QY 347 AV-----PQTLVTPPEREAIQRLKMGFNRRLVLEVFACNDELTANTILDHGEFD 401
DB 2174 INMPGHNPNMTNMPQYREVR-----OLQHQOQOQ 2206
QY 402 DQOQ 405
DB 2207 QOQO 2210

RESULT 5
US-10-001-632A-2
Sequence 2, Application US/10001632A
Patent No. US20020151492A1
GENERAL INFORMATION:
APPLICANT: Conklin, Darrell C.
APPLICANT: Feldhaus, Andrew L.
APPLICANT: Holderman, Susan D.
TITLE OF INVENTION: Testis Specific Protein
FILE REFERENCE: 99-17C1
CURRENT APPLICATION NUMBER: US/10/001,632A
CURRENT FILING DATE: 2002-03-13

PRIOR APPLICATION NUMBER: 60/128,210
PRIOR FILING DATE: 199-04-07
PRIOR APPLICATION NUMBER: 60/166,040
PRIOR FILING DATE: 1999-11-17
PRIOR APPLICATION NUMBER: 09/541,9190
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 2
LENGTH: 655
TYPE: PRT
ORGANISM: Homo sapiens
US-10-001-632A-2

Query Match 6.7%; Score 136; DB 12; Length 655;
Best Local Similarity 21.4%; Pred. No. 0.012;
Matches 95; Conservative 56; Mismatches 152; Indels 140; Gaps 20;

QY 1 MKNVKTILKGTNEIEASPDASVAD---VKRIETTGQSTYRADQMLIYQKILDET 57
DB 22 IKVTVKTPKD-----KEDESVTDCTIOQLKKEIISQRFKAPHDQVLIPAKILKDPD 74
QY 58 TTLESNGVAENSLVIMLSKAKASS-----GASTATTKAPATIAQPA-----APVAPASV 109
DB 75 SLAOCGVARDGLTVHLVIRKORHAGNECPASVPTQGPSPSLPQSPSITPADGPPAFSL 134
QY 110 ARTPTQAPVATA-----ETAPSPVQO---AAPAVVATDADVYQAAS-----NLVFGN 158
DB 135 GLTLGSLRLGATAGFPDQPSILMRQHVSVPEFTQILDIDPFTIGLSNGLVQVLIDN 194
QY 159 -NLEQTIOQIILDMGGTWERDVTVRALRAAYNPE---RAIDYL-----YSGI 202
DB 195 PHMOQLIQHNPEIG-----HILNPEIMQULEFLRNPAMQEMIRSDRV 240
QY 203 PENVEA-----QEVARA-----PAAGQQTQAASPAQPAVALPVQ 238
DB 241 LSNLESIPGGVNLCTMTDMDPLNAYDQFGNPFATATTDNATTTTSQP----- 293
QY 239 PSPASGPNANPLNLPQGVPSGSGNPGVVPAGSG-----ALDALRQLPQQA 287
DB 294 -----SRMENCPL-----PNPWTSTHGSNGSGNQGQDDQADAPDIRNPPNPLG 338
QY 288 LLOLVQANPOLILOQELKQNPQIILIQENQAEFLR-----LVNESPEGPGGNI 340
DB 339 IIRLYD-----YLQOL-HENPQSLGTYLQGVASALSQSEPPPVNRRVPSPSP----- 385
QY 341 LQQLAAVPPQTLVTPPEREAIQ 363
DB 386 ---SSQEPGSGQPLPESVAIK 404

RESULT 6
US-10-109-886-10
Sequence 10, Application US/10109886
Patent No. US20020119499A1
GENERAL INFORMATION:
APPLICANT: TANABE SEIYAKU CO. LTD.
APPLICANT: TANIGUCHI, Tomoyasu
APPLICANT: MIZUKAMI, Junko
TITLE OF INVENTION: METHOD FOR IDENTIFYING OR SCREENING AGONIST AND
FILE REFERENCE: TANIGUCHI-6
CURRENT APPLICATION NUMBER: US/10/109,886
CURRENT FILING DATE: 2002-04-01
PRIOR APPLICATION NUMBER: 09/514,247
PRIOR FILING DATE: 2000-02-28
PRIOR APPLICATION NUMBER: PCT/JP98/03734
PRIOR FILING DATE: 1998-08-24
PRIOR APPLICATION NUMBER: JP231084/1997
PRIOR FILING DATE: 1997-08-27
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PatentIn version 3.0
SEQ ID NO 10

```

; LENGTH: 2442
; TYPE: PRT
; ORGANISM: human
US-10-109-886-10

```

Query Match	6.6%;	Score 133.5;	DB 12;	Length 2442;
Best Local Similarity	21.7%;	Pred. NO. 0.11;		
Matches 87;	Conservative 39;	Mismatches 148;	Indels 127;	Gaps 17;

```

QY 34 QGOSTYADDOMLITQOKLIKEDTTEESNGVENSFLVIMLSKAKASSGASTATTAAAP 93
Db 1652 QQQOQHLLQQAOL-----MKRRATAMNTNINVOQSL-----PSTSPAPGPTTIOOP 1897
QY 94 ATIAQAPAPVAPA-----ASVART-----PTQAPVATAEAPPSVOPQAPAA 136
Db 1698 STQPTQPPAQPOPSPVMSPAFGPSVARTQPTTVSTGKPTISQVAPARPPAPQ---PPA 1954A
QY 137 TVAATDADADYSQLASLTVFNGNLEOTIOQIILDMGGGTERDVTYRALRAAYNNDEAID 196
Db 1955 AVEAARQIEREAOQOOHLTKYVN-----INNSMPG-----RTGKGTGGSQMA 1996A
QY 197 XLYSGIDE-VNEAQVAPARABAAGQTN-----QQAASPAQPAVLVOPSPASAGNANPL 251
Db 1997 PVSILNVRPMQVSGPWFMSHPGQMQOAPLPQOQPPGLPRPVISMQAQAAVAGPR--- 2052A
QY 252 NLFPQGVSPGSGNPVVPFGAGSGLDALROL-----POFQALLDLYVANFOIL----- 299
Db 2053 --MRSVQPPRSISP-----SALQDLTLTKSPSSPQOQQOQVULMILKSNQJMAAFIKQ 2103
QY 300 -----QPMQLGELKQNPQ-----ILRLIQENQAEFLR-----LVN 329
Db 2104 RTAKTYVANOPGMPQPGLOSQPMPQPOPCMHQOPSTJONILNMQAGVPRPVPQOQAAWG 2163
QY 330 ESPEG-----GPGGNIQLGLAAVAPQTLVTPPEREARQ 364
Db 2164 LNPQGAULTMNGHN-----PNMASNMPQYREMR 2195

```

```

RESULT 7
US-09-925-299-1544
? Sequence 1544, Application US/09925299
? Patent No. US20020055627A1
? GENERAL INFORMATION:
? APPLICANT: Rosen et al.
? TITLE OF INVENTION: Nucleic Acids, Proteins and Antibodies
? FILE REFERENCE: PA102
? CURRENT APPLICATION NUMBER: US/09/925,299
? CURRENT FILING DATE: 2001-08-10
? PRIOR APPLICATION NUMBER: PCT/US00/05863
? PRIOR FILING DATE: 2000-03-08
? PRIOR APPLICATION NUMBER: 60/124,270
? PRIOR FILING DATE: 1999-03-12
? NUMBER OF SEQ ID NOS: 1556
? SOFTWARE: PatentIn Ver. 2.0
? SEQ ID NO 1544
? LENGTH: 63
? TYPE: PRT
? ORGANISM: Homo sapiens
? FEATURE:
? NAME/KEY: SITE
? LOCATION: (5)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
? NAME/KEY: SITE
? LOCATION: (22)
? OTHER INFORMATION: Xaa equals any of the naturally occurring L-amino acids
US-09-925-299-1544

```

```
Query Match      6.3% Score 129; DB 10; Length 63;
Best Local Similarity 46.0%; Pred. No. 0.0015;
Matches 23; Conservative 12; Mismatches 15; Indels 0; Gaps 0
```

Db 14 IQVTPQEKXAIERLKGFGVLIQAYFACEKNENLANFLLQÑFDED 63

RESULT 8
US-10-023-529-47
; Sequence 47, Application US/10023529
; Patent No. US20020129388A1
; GENERAL INFORMATION:

```

APPLICANT: Lees, Robert S.
APPLICANT: Lay, Simon W.
APPLICANT: Arjona, Anibal A.
TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING
TITLE OF INVENTION: PROTEIN AND THEIR USE IN DIAGNOSING AND TREATING
TITLE OF INVENTION: ATHEROSCLEROSIS
FILE REFERENCE: 10797-004001
CURRENT APPLICATION NUMBER: US/10/023,529
CURRENT FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 09/616,289
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 09/517,849
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US 08/979,608
PRIOR FILING DATE: 1997-11-26
PRIOR APPLICATION NUMBER: US 60/031,930
PRIOR FILING DATE: 1996-11-27
PRIOR APPLICATION NUMBER: US 60/048,547
PRIOR FILING DATE: 1997-06-03
NUMBER OF SEQ ID NOS: 53
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 47
LENGTH: 550
TYPE: PRT
ORGANISM: Oryctolagus cuniculus
IS-10-023-529-47

```

Query Match	6.3%;	Score 128.5;	DB 12;	Length 550;
Best Local Similarity	26.5%;	Pred. No. 0.033;		
Matches 75;	Conservative 22;	Mismatches 105;	Indels 81;	Gaps 11

OY	16	EASPAADVADRIIETIQG--QSTVYADOMMIYGGIKIMDETTLESNGVAENSLVLM	73
Dd	47	KARP-D-LETRICRMVRNRHGEPEPERTAAIEKLIQQRAVLRS-----YKSISYRN	96
OY	74	LSKAKASSGSAS-----TATTAKAPATLA-QEAPAVPAASVARTPTQAPVAT	120
Dd	97	AARVOPRRGATPPRAPPRPGCPAAAAAAPPPTAPPPEPAPAALAAAARAAPAAAAA	156
OY	121	AETAAPS-----YQQAAPATVTAATDDADVYSQAASNLVFGNLEQTIIQQILDMGGTW	175
Dd	157	AATAPSFGCPAGCGRKAORAAPLAPPAPAAPAA-----	192
OY	176	ERDVTVALRAAYNNPERAIDITYSGIPENEVAQPAPARAAGOOTNOOASPAPAVAL	235
Dd	193	-APAGPRARRAPPAPAAVAARESPLEPPQGPPAPPPQ--QQQPPPPPP-----	236
OY	236	PYQPSF-----ASAGPMANPLNLFPGCVSGSGSNCGVYPGAG	272
Dd	237	PQGPQPPPEGGAARGCFAIRVSILREVRYRLGSSS-----GGG	274

RESULT 9
 US-10-023-523-47
 ; Sequence 47, Application US/10023523
 ; Patent NO. US20020152485A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Lees, Ann M.
 ; APPLICANT: Lees, Robert S.
 ; APPLICANT: Law, Simon W.
 ; APPLICANT: Arjona, Anibal A.
 ; TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING
 ; TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING
 ; TITLE OF INVENTION: ATHEROSCLEROSIS

```
FILE REFERENCE: 10797-004001
; CURRENT APPLICATION NUMBER: US/10/023,523
; CURRENT FILING DATE: 2001-12-17
; PRIOR APPLICATION NUMBER: US/09/616,289
; PRIOR FILING DATE: 2000-07-14
; PRIOR APPLICATION NUMBER: US 09/517,849
; PRIOR FILING DATE: 2000-03-02
; PRIOR APPLICATION NUMBER: US 08/979,608
; PRIOR FILING DATE: 1997-11-26
; PRIOR APPLICATION NUMBER: US 60/031,930
; PRIOR FILING DATE: 1996-11-27
; PRIOR APPLICATION NUMBER: US 60/048,547
; PRIOR FILING DATE: 1997-06-03
; NUMBER OF SEQ ID NOS: 53
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 550
; TYPE: PRT
; ORGANISM: Oryctolagus cuniculus
US-10-023-523-47
```

```
Query Match          6.3%; Score 128.5; DB 12; Length 550;
Best Local Similarity 26.5%; Pred. No. 0.033;
Matches 75; Conservative 22; Mismatches 105; Indels 81; Gaps 11;
```

```
OY 16 EASPDASVADVKRIETG--OSTYRADQOMLIYOGKILKDETTLESNGVAENSPVIM 73
   ||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : :
DB 47 KAPPD--LEIRICWVRRRHGPETRALEKLIQRAVLRS-----YKSISYRN 96
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 74 LSKAKSSSSAS-----TATTAKAPALA--QPAAPAPAPASVARTPQAVAT 120
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 97 AAVVQPPRRKATPPAPPRADRGPPAAAAAPPAPPPAPVAAAAAPAPAAAAA 156
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 121 AETAPPS-----VQPPAAPATVATDADVDYQAASNLVFGNNLEQTIQIILDMGGTW 175
   ||||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : :
DB 157 AATAPSPSGAQGPRAQRAPLAAPPPAPAPPA-----192
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 176 ERDTVVRLRAAYNBERAIDVYSGIPENVEAQPVARADAGQQTNOQAASPAQPAVAL 235
   | : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 193 -----APPGRRRAAPPAAAVAAARESPLPPPPQPPAPQ--QQQPPPPP----- 236
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 236 PVQSP-----ASAGPNANPLNLFQGVSGSGSNRGVVGAG 272
   ||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : :
DB 237 PQQPQPPPEGGAARAGPAPVSLREVRYLGGSS-----GAG 274
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
```

```
RESULT 10
US-09-894-998-47
; Sequence 47, Application US/09894998
; Patent No. US20020090610A1
; GENERAL INFORMATION:
; APPLICANT: Hosken, Nancy Ann
; APPLICANT: Craig H. Day
; APPLICANT: Davin C. Dillon
; APPLICANT: McGowan, Patrick
; APPLICANT: Sleath, Paul R.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR THE DIAGNOSIS AND
; FILE REFERENCE: 210121.538
; CURRENT APPLICATION NUMBER: US/09/894,998
; CURRENT FILING DATE: 2001-06-28
; NUMBER OF SEQ ID NOS: 64
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 826
; TYPE: PRT
; ORGANISM: HSV-2
US-09-894-998-47
```

```
Query Match          6.2%; Score 126.5; DB 10; Length 826;
Best Local Similarity 24.4%; Pred. No. 0.082;
Matches 57; Conservative 14; Mismatches 94; Indels 69; Gaps 7;
```

```
OY 80 SSSGASTATTAKAPATIAQAPAPVAPAPASVARTPQAVATETAPPSVOPQAAPATA 139
   ||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : :
DB 307 SGSSGCPVAVAVPVRVSLPFAAGCGRAQARVEDAAAAEGRT--PPARQPRAAQEPPIV 365
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 140 ATDD-----ADYVQAASNLVYGNNEQTIQIILDMGGGTWEDIVYRLRA 186
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 366 ISDPPSPRRPAGPPLSFVSSSSAQVSSGPG-----GGGILPSSGRRAPRA 414
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 187 AYNNPERAIDVYSGIPENVEAQPVARAPAGQQTNOQAASPAQPAVALPVQPSF----- 241
   | : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 415 AVAPRVAS-----PPRAAAAVVSASA-----DAAGPAPVAVDHAHRAPRSRMT 459
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 242 -----ASAGPNANPLNLFQGVSPSGSGSNRGVVGAGSGA 275
   ||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : :
DB 460 QAQDTQASLGRAGATDARGSGGPAEG-----GPGVPRGINTTGAPVHAEGA 509
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
```

```
RESULT 11
US-09-815-242-5064
; Sequence 5064, Application US/09815242
; Patent No. US20020061569A1
; GENERAL INFORMATION:
; APPLICANT: Haselbeck, Robert
; APPLICANT: Ohlson, Karl L.
; APPLICANT: Zyskind, Judith W.
; APPLICANT: Wall, Daniel
; APPLICANT: Trawick, John D.
; APPLICANT: Carr, Grant J.
; APPLICANT: Yamamoto, Robert T.
; APPLICANT: Xu, H. Howard
; TITLE OF INVENTION: Identification of Essential Genes in
; FILE REFERENCE: ELITRA.011A
; CURRENT APPLICATION NUMBER: US/09/815,242
; CURRENT FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,078
; PRIOR FILING DATE: 2000-03-21
; PRIOR APPLICATION NUMBER: 60/206,848
; PRIOR FILING DATE: 2000-05-23
; PRIOR APPLICATION NUMBER: 60/207,727
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: 60/242,578
; PRIOR FILING DATE: 2000-10-23
; PRIOR APPLICATION NUMBER: 60/253,625
; PRIOR FILING DATE: 2000-11-27
; PRIOR APPLICATION NUMBER: 60/257,931
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: 60/269,308
; PRIOR FILING DATE: 2001-02-16
; NUMBER OF SEQ ID NOS: 14110
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 5064
; LENGTH: 2472
; TYPE: PRT
; ORGANISM: pseudomonas aeruginosa
US-09-815-242-5064
```

```
Query Match          6.2%; Score 126.5; DB 10; Length 2472;
Best Local Similarity 21.4%; Pred. No. 0.37;
Matches 102; Conservative 62; Mismatches 160; Indels 153; Gaps 21;
```

```
OY 41 ADOQMLYOGKILKDETTLESNGVAENSPVIMLSKAKSSSGASTATTAKAPA-----T 95
   ||| : : : : : ||| : : : : : ||| : : : : : ||| : : : : :
DB 781 ABEVSAMEG-----SLEIEDISDLDLEVOQPEAEAEAPRAAEALAEAPALSLAEV 834
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 96 LAQPAVAPAPASVARTPQAVATETAPPSVOPQAAPATVAAATD--ADYVQAASN 153
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 835 MAAPVQPINP-----PAQNVVSLP-----PPADEPVDDELRREVFIIEAGE 877
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
OY 154 LVFGNNLEQTIQIILDMGGGTWED-----TVVVAL-----184
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 878 VL-----ETIGRIIP-----AMKADHDDREALTEVRRAPHTLKGSGMRVAVLIGELAWS 927
   : : : : : : : : : : : : : : : : : : : : : : : : : : :
```

```

QY 185 -----RAAYNNPERAIDLYXGIPENVE-----AQ-----PVARAPAA 217
DB 928 IENLENRVIDRSIAASEPVQVYVDVALLPELVEEFANACORRDVDLLAATAHALAK 987
QY 218 GOOTNOQA--SPAOPAVALLPQSPASAGPNANPLNLPQGVSGSGNPGVVP-----269
DB 988 GEPLEPPAPDGGVPEPEGAGQPSLDNGVQAPPLADPQAAAEQSGVELLDPOLEI 1047
QY 270 -----GAGSGAL-DALROLPO-----FQALLQIYOAN-----PQILQPMIQE 305
DB 1048 FTNEAETHLEALVGLFADCARRELPOVTDALQRALHTLEGSANMAGILPIAEIATP-LEK 1106
QY 306 LKONPDQILRLQENOAERLRLVNESPEGSGNLTGOLAAVPOTLVTPPEREAIOQL 365
DB 1107 LYKEKSNLADLREBELHDAEQLEFRIG-----LEQVQARP--LNDIPGSDALLERI 1159
QY 366 ECM-----GFNRE-LVLEVFPAKCKDELTANTYLLDHGHEFDQOQ 405
DB 1160 EALHGERIASLEAERYSDAGERRDPLLIEAFLVGEMDILLDAEDLLERHHEHPOERO 1216

```

RESULT 12
US-10-023-529-43
Sequence 43, Application US/10023529
Patent No. US20020129388A1

```

GENERAL INFORMATION:
APPLICANT: Lees, Ann M.
APPLICANT: Lees, Robert S.
APPLICANT: Law, Simon W.
APPLICANT: Arjona, Anibal A.
TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING
TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING
FILE REFERENCE: 10797-004001
CURRENT APPLICATION NUMBER: US/10/023,529
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: 09/616,289
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 09/517,849
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US 08/979,608
PRIOR FILING DATE: 1997-11-26
PRIOR APPLICATION NUMBER: US 60/031,930
PRIOR FILING DATE: 1996-11-27
PRIOR APPLICATION NUMBER: US 60/048,547
PRIOR FILING DATE: 1997-06-03
NUMBER OF SEQ ID NOS: 53
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 538
TYPE: PRT
ORGANISM: Homo sapiens
US-10-023-529-43

```

Query Match 6.1%; Score 125; DB 12; Length 538;
Best Local Similarity 28.4%; Pred. NO. 0.059; Mismatches 62; Indels 78; Gaps 10;

```

QY 83 GASTATTAKAPATILQAPAPYAPASVARTPTQAP--VATAETAPPSVQP--QAAPATVA 139
DB 117 GAPAAAAAAPPPTPAPPAPPAVAAA--PARAPRAAAAAATAPSPGPAPGP-----169
QY 140 ATDDADVTQAASNLVFGNNLEQTIQIILDMGGGTWERDVTVALRAAYNNPERAIDLY 199
DB 170 -----RAQRAA-----PLAA-----179
QY 200 SGIPENVEAOVYARAPAGQOTNOQAASPAQPAVA-----LPVQSPASAGPNANPLNLF 254
DB 180 ---PPAPAAPPAVAPAG-----PRRAP--PAAVAAREPPLPPEQPAPPOQOQPPPPQ 230
QY 255 PQGVPSGSGNPGVVGAGSGALDALROLQPOF 285
DB 231 PQPPEGGA-----VRAGGAARPVSLREYVRY 257

```

RESULT 13
US-10-023-523-43
Sequence 43, Application US/10023523
Patent No. US20020125485A1

```

GENERAL INFORMATION:
APPLICANT: Lees, Ann M.
APPLICANT: Lees, Robert S.
APPLICANT: Law, Simon W.
APPLICANT: Arjona, Anibal A.
TITLE OF INVENTION: NOVEL LOW DENSITY LIPOPROTEIN BINDING
TITLE OF INVENTION: PROTEINS AND THEIR USE IN DIAGNOSING AND TREATING
FILE REFERENCE: 10797-004001
CURRENT APPLICATION NUMBER: US/10/023,523
PRIOR FILING DATE: 2001-12-17
PRIOR APPLICATION NUMBER: US/09/616,289
PRIOR FILING DATE: 2000-07-14
PRIOR APPLICATION NUMBER: US 09/517,849
PRIOR FILING DATE: 2000-03-02
PRIOR APPLICATION NUMBER: US 08/979,608
PRIOR FILING DATE: 1997-11-26
PRIOR APPLICATION NUMBER: US 60/031,930
PRIOR FILING DATE: 1996-11-27
PRIOR APPLICATION NUMBER: US 60/048,547
PRIOR FILING DATE: 1997-06-03
NUMBER OF SEQ ID NOS: 53
SOFTWARE: FastSeq for Windows Version 4.0
SEQ ID NO 43
LENGTH: 538
TYPE: PRT
ORGANISM: Homo sapiens
US-10-023-523-43

```

Query Match 6.1%; Score 125; DB 12; Length 538;
Best Local Similarity 28.4%; Pred. NO. 0.059; Mismatches 62; Indels 78; Gaps 10;

```

QY 83 GASTATTAKAPATILQAPAPYAPASVARTPTQAP--VATAETAPPSVQP--QAAPATVA 139
DB 117 GAPAAAAAAPPPTPAPPAPPAVAAA--PARAPRAAAAAATAPSPGPAPGP-----169
QY 140 ATDDADVTQAASNLVFGNNLEQTIQIILDMGGGTWERDVTVALRAAYNNPERAIDLY 199
DB 170 -----RAQRAA-----PLAA-----179
QY 200 SGIPENVEAOVYARAPAGQOTNOQAASPAQPAVA-----LPVQSPASAGPNANPLNLF 254
DB 180 ---PPAPAAPPAVAPAG-----PRRAP--PAAVAAREPPLPPEQPAPPOQOQPPPPQ 230
QY 255 PQGVPSGSGNPGVVGAGSGALDALROLQPOF 285
DB 231 PQPPEGGA-----VRAGGAARPVSLREYVRY 257

```

; PRIOR FILING DATE: 1997-03-13
; PRIOR APPLICATION NUMBER: US 08/942,578
; PRIOR FILING DATE: 1997-10-01
; PRIOR APPLICATION NUMBER: US 09/025,197
; PRIOR FILING DATE: 1998-02-18
; PRIOR APPLICATION NUMBER: US 09/056,556
; PRIOR FILING DATE: 1998-04-07
; PRIOR APPLICATION NUMBER: US 09/223,040
; PRIOR FILING DATE: 1998-12-30
; NUMBER OF SEQ ID NOS: 46
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 22
; LENGTH: 600
; TYPE: PRF
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:trf-fusion
US-09-287-849-22

Query Match 6.1%; Score 123.5; DB 10; Length 600;
Best Local Similarity 21.0%; Pred. No. 0.089;
Matches 93; Conservative 50; Mismatches 183; Indels 117; Gaps 17;

OY 30 IETGGSTYRADQOMLIYQCKIKDETTLESNGVAEN--SFLVIMLSKAKASSSGASTA 87
DB 85 MSVTAQGAELTAQVRRAAAAYETAIGLTPPVIAENRAELMILITNLTGOTPALAV 144
OY 88 TTAAPATLQAAPAVAPASAVARTPTQAFAETAAPPVSQQAAPAA---TYAATDD 143
DB 145 NEAEYGEKMAODAAAMCYAATAT-----ATATLPEFAPEMTSAGLLEQAAVEE 198
OY 144 ADVYSAASNLVFGNNLEQTLQITLD--MG-----GGTWER----- 177
DB 199 AS--DTAAANQLM--NNVPAQLQAOPTOGTTPSSKLGKMTVSPHRSPISNVMANM 255
OY 178 -----DTVVRALRAAYNNPERAIDLV-----YSGIPENVEA 208
DB 256 HMTSTNSGVSTNTLTSSMLKGFAPAAAAQAVTAQNKQKVRMASSISGSSGLGGVAA 315
OY 209 QPVARAPAAQ-----QTNQAASPAQAPAVALPVQSPASAGPNANPLMLPQGVPSG 261
DB 316 N-LGRRAASVGLSPQMAAANQAVTPAARALPLTSLTSAERGP-----GQMLG 364
OY 262 GSNFVVPGAGSGLDALRLQPLQFQALLQLVQANPQILQPMLOELGKQP----- 311
DB 365 GLPVGQKARAGGSLGVLRV-----PPRYVM--PHSPAAGKLDPAVDVINTTCN 413
OY 312 --QILRLIQENQAEFLALVNSPEGEGGNILGOLAAAVPQTLVTPPEREAIQRLBGM 369
DB 414 YGVVAALNATDPGAAAOFNASPA--QSYLRNFLAAPPQRAAMAQ---LQAVPGA 467
OY 370 FNRRLVLEVPFACNKDEELTANY 392
DB 468 QYIGLVESVAGSCNNYELMTINY 490

RESULT 15
US-09-801-368-108

; Sequence 108, Application US/09801368

; Patent No. US20020128250A1

; GENERAL INFORMATION:

; APPLICANT: Busby, Robert

; APPLICANT: Cali, Brian

; APPLICANT: Hecht, Peter

; APPLICANT: Holtzman, Doug

; APPLICANT: Madden, Kevin

; APPLICANT: Maxon, Mary

; APPLICANT: Milne, Todd

; APPLICANT: No. US20020128250A1man, Thea

; APPLICANT: Royer, John

; APPLICANT: Salama, Sofie

; APPLICANT: Sherman, Amit

; APPLICANT: Silva, Jeff

; APPLICANT: Summers, Eric
; TITLE OF INVENTION: Methods for Improving Secondary Metabolite Production in Fungi
; FILE REFERENCE: 109272.147
; CURRENT APPLICATION NUMBER: US/09/801,368
; CURRENT FILING DATE: 2001-03-07
; PRIOR APPLICATION NUMBER: US 09/487,558
; PRIOR FILING DATE: 2000-01-19
; PRIOR APPLICATION NUMBER: US 60/160,587
; PRIOR FILING DATE: 1999-10-20
; NUMBER OF SEQ ID NOS: 440
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 108
; LENGTH: 1367
; TYPE: PRF
; ORGANISM: Saccharomyces cerevisiae
US-09-801-368-108

Query Match 6.0%; Score 122.5; DB 10; Length 1367;
Best Local Similarity 20.5%; Pred. No. 0.33;
Matches 58; Conservative 33; Mismatches 119; Indels 73; Gaps 6;

OY 10 GTNFEIASPASVADYVRIETTGOSTYRADQOMLIYQCKIKDETTLESNGVAENSE 69
DB 1098 GTNSAGETTSKSGSKRYVTITPCSTGTGETTEATITLVTTAVTTVTESSTGT----- 1152
OY 70 LVIMLSKAKASSSGASTATTAKAPATLQAAPAVAPASV----- 109
DB 1153 -----NSAGKTTTGTGTFKSVPTTYVTLAPSAVTPATNAVPTTTTECSAATNAGET 1207
OY 110 -----ARTPTQAPATAATAPPSVQQAAPATYAADDDADYVSAASNLVFGNNLEQTI 164
DB 1208 TSVCSAKTIVSASAGENTASATPTVTAIPTVITTESSVGTNSAGETTTG----- 1260
OY 165 QQIIDMGSGTWERDPTVVALRAAYNNPERAIDLYSGIP-----ENVEAQVAPAPAAQ 219
DB 1261 -----YTTKSIPTTITLITLPGSGNKNETVATATNPISIK 1297
OY 220 QTNQAASPAQAPAVALPVQSPASAGP--NANPLMLPQGVPS 260
DB 1298 TTSQLATATASASVA-PVVTSPSLMLGPIQSASGSAVATVSVPS 1339

Search completed: November 4, 2002, 02:05:28
Job time : 17.0026 secs

